PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
P189344.WO.05	<u> </u>	ll as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US2010/024140	12/02/2010	12/02/2009
Applicant		
OSTEOTECH, INC.		
This international search report has been according to Article 18. A copy is being tra	prepared by this International Searching Authornament to the International Bureau.	ority and is transmitted to the applicant
This international search report consists o	of a total of 6 sheets.	
	a copy of each prior art document cited in this	report.
Basis of the report a. With regard to the language, the	international search was carried out on the bas	nio of
[]	application in the language in which it was filed	
a translation of the	e international application into mished for the purposes of international search	Which is the language
b. This international search r	report has been established taking into accoun	t the rectification of an obvious mistake
	o this Authority under Rule 91 (Rule 43.6 <i>bis</i> (a) otide and/or amino acid sequence disclosed	•
	nd unsearchable (See Box No. II)	application, 500 Box 140. I.
3. Unity of invention is lack	king (see Box No III)	
4. With regard to the title,		
X the text is approved as su		
the text has been establish	ned by this Authority to read as follows:	
5. With regard to the abstract,		,
X the text is approved as suf	- ,,	
the text has been establish may, within one month from	ned, according to Rule 38.2(b), by this Authorit in the date of mailing of this international searc	y as it appears in Box No. IV. The applicant th report, submit comments to this Authority
6. With regard to the drawings,		
a. the figure of the drawings to be pu	ublished with the abstract is Figure No. <u>12e</u>	
as suggested by the		
X as selected by this	Authority, because the applicant failed to sugg	gest a figure
	Authority, because this figure better character	
b. none of the figures is to be	published with the abstract	

International application No PCT/US2010/024140 CLASSIFICATION OF SUBJECT MATTER NV . A61F2/28 A61F2 A61F2/44 A61L27/36 A61L27/54 A61F2/46 A61L2/02 A61L2/03 A61L2/04 A61L2/08 A61L2/14 ADD. According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) A61F A61L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category* Relevant to claim No. X US 2004/249464 A1 (BINDSEIL JAMES J [US] 1-5,8,ET AL) 9 December 2004 (2004-12-09) 12-14 figures 1,5,6,8 paragraphs [0010], [0 14], [0015]. [0024], [0025] X EP 0 621 020 A1 (SULZER MEDIZINALTECHNIK 15 AG [CH]) 26 October 1994 (1994-10-26)

	figure 1 page 3, lines 29-47	
Χ	WO 01/70136 A2 (SYNTHES USA [US]; SYNTHES AG [CH]; BOYER MICHAEL L II [US]: PAUI	

DAVID) 27 September 2001 (2001-09-27) figures 13,14,16 page 11, lines 4-16 page 15, lines 1-5 page 19, lines 6-29

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1-5,7, 12,14

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X Further documents are listed in the continuation of Box C.	X See patent family annex.
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "F" document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report

27 April 2010

07/05/2010

Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2

Authorized officer

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Louka, Maria

C(Continua	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/US2010/024140
ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
(US 2007/162132 A1 (MESSERLI DOMINIQUE [US]) 12 July 2007 (2007-07-12) figures 1,5,10c,12 paragraphs [0051], [0053], [0061], [0093], [0095]	1-5,7, 12,14,15
X	US 2001/031254 A1 (BIANCHI JOHN R [US] ET AL) 18 October 2001 (2001-10-18) figures 1,3,7,21 paragraphs [0030], [0031], [0037], [0049] paragraph [0036]	1,2,5,7-12,14

INTERNATIONAL SEARCH REPORT

International application No. PCT/US2010/024140

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. X As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14

Delivery system configured to retain bone growth substance with at least two types of segments: first type comprising a covering material defining a compartment that retains bone growth substance and second type configured to connect segments of first type. (claim 1) and delivery system comprising bone growth substance within a covering material configured to fit an irregular bone void, with the volume of said bone growth substance being less than the maximum volume of the compartment (defined by said covering material) (claim 12).

. 2. claim: 15

Tool for grasping and placing a delivery system with a handle and a plunger.

Inforr

International application No

rmation on patent family members	DOT /UCOO10 /0041 44
	PCT/US2010/02414

	itent document I in search report		Publication date		Patent family member(s)	Publication date
US	2004249464	A1	09-12-2004	AU CA CN EP JP JP KR WO	2004245088 A1 2528204 A1 101056597 A 1633285 A2 4358855 B2 2007526005 T 20060027324 A 2004108019 A2	16-12-2004 16-12-2004 17-10-2007 15-03-2006 04-11-2009 13-09-2007 27-03-2006 16-12-2004
EP	0621020	A1	26-10-1994	AU AU CA CN CZ FI HU JP NO US	673052 B2 6052094 A 2121001 A1 1096440 A 9400946 A3 941831 A 67437 A2 6319760 A 941428 A 5702454 A 5755797 A	24-10-1996 27-10-1994 22-10-1994 21-12-1994 16-11-1994 22-10-1994 28-04-1995 22-11-1994 24-10-1994 30-12-1997 26-05-1998
MO	0170136	A2	27-09-2001	NON	 E	
US	2007162132	A1	12-07-2007.	AU CA EP JP KR WO	2006330939 A1 2634762 A1 1962705 A2 2009521279 T 20080085058 A 2007076049 A2	05-07-2007 05-07-2007 03-09-2008 04-06-2009 22-09-2008 05-07-2007
US	2001031254	A1	18-10-2001	NON	E	